

## PROFESSIONAL PROFILE

Full-stack engineer with 25+ years building secure, high-performance systems across security, pharmaceutical R&D, and gaming sectors. Strong technical leadership with exceptional client communication and practical business-focused solutions.

## TECHNICAL EXPERTISE

- **Engineering:** C#/.NET Core, Python, REST APIs, React/TypeScript, Design Patterns, Azure SQL, Entity Framework Core, LINQ, ETL, R/MATLAB, Code optimisation with AI & Visual Studio
- **Infrastructure:** Azure (WebApps, KeyVault, SQL), AWS (S3, Lambda, WAF), Docker, CI/CD, Cryptography, GDPR
- **Leadership:** Agile/Scrum, Technical Mentoring, Team Leadership, Stakeholder Management

## PROFESSIONAL EXPERIENCE

### FULL-STACK DEVELOPER | Brand & Deliver (Brand Marketing), Sheffield | Dec 2024 - Present

- Architect .NET 9/React/TypeScript applications with Azure cloud-native infrastructure
- Architectural review of content ingests, indexing, search, entity lifecycles
- Design REST API integrations with optimized ETL workflows and Python automation
- Implement Azure Key Vault security and enhance CRM with Azure Functions
- Investigating/using AI for productivity enhancement & asset workflow processing

### LEAD SOFTWARE ENGINEER | Lockwood Publishing (Games Industry), Nottingham | Nov 2021 - Oct 2024

- Lead for GDPR implementation (5-person team/multiple vendors & legal compliance)
- Lead for a small team focused on cryptographic security enhancements across AWS estate
- AWS Full stack investigations focused on security & real time communication interactions
- Designed client networking security architecture while mentoring junior developers
- Generated C#/React/Node test automation framework to streamline QA processes

### SENIOR SOFTWARE ENGINEER | Certara (Pharmaceuticals R&D), Sheffield | Sept 2008 - Nov 2021

- Led development & test teams building pharmaceutical research and clinical trial systems
- Line management: mentoring, training management, hiring, 1 to 1's, annual reviews
- Developed oncology research modelling software and clinical trials applications (C#/WPF/Excel)
- Created C++ database drivers and Excel/COM reporting tools for clinical trials workflows

### EARLY CAREER HIGHLIGHTS | Various Organizations | 1996 - 2008

- Developed C++ applications for City of London "Ring of Steel" counter-terrorism CCTV
- Engineered large-scale digital recording systems with stringent security requirements
- Built applications for Windows/Linux in printing and financial information sectors

## EDUCATION & PROFESSIONAL DEVELOPMENT

- **BSc (Hons) Software Engineering (2:1)** | Sheffield Hallam University
- **Continuous Learning:** Pluralsight, Udemy, Open Courseware
- **Certifications:** Scrum, Prince2, Azure, Fintech/MBA Fundamentals